

Amendments to the Abstract:

In the English translation document, please add the abstract at page 14 line 1, as follows:

--ABSTRACT

Previous methods for the production of a hole in a component are very time-consuming and expensive, as special lasers having ultra short laser pulse lengths are used. The inventive method varies laser pulse lengths and ultra short laser pulse lengths are used exclusively in the region which is to be removed, wherein it is possible to have a noticeable influence on through flow and/or out-flow behavior. This, for example, the inner surface of a diffuser of a hole, which can be produced in a precise manner using ultra short laser pulse lengths.--